

REVISED DRAFT

SAMPLING AND ANALYSIS PLAN POST REMOVAL SAMPLING

Bonneville Dam Project Cascade Locks, Oregon

January 2003

Prepared for:



U.S. Army Corps of Engineers
Portland District
333 SW First Avenue
Portland, Oregon 97208-2946

Prepared by:



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Portland, Oregon 97201-5814
25692710

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The U.S. Army Corps of Engineers (USACE) has contracted URS Corporation (URS) to collect sediment samples offshore of Bradford Island. The information collected will be used to determine the nature and extent of contamination remaining after the retrieval of in-water debris offshore of Bradford Island.

Bradford Island is part of the Bonneville Lock and Dam, located within the Columbia River, near Cascade Locks, Oregon. The Bonneville Lock and Dam is located on the Columbia River at river mile 146.1, approximately 40 miles east of Portland, Oregon. USACE is the owner of the Bradford Island Landfill, and is in the process of investigating the landfill. USACE is conducting the landfill investigation under the oversight of the Oregon Department of Environmental Quality (DEQ), through the Voluntary Cleanup Program.

This Sampling and Analysis Plan (SAP) addresses the Detailed Statement of Work prepared by the USACE for Contract No. DACW57-99-D-0005, Task Order No. 0004, Modification 006: Bradford Island Post Removal Sampling (dated June 27, 2002). The work described within this SAP will occur in the water off the north and east shorelines of Bradford Island, and in the area of the catch basin system located just west of the landfill (near the sandblast building).

This SAP is one of the four components that constitute the Management Plans for this phase of work at the Bradford Island site. The Management Plans include a Work Plan, this SAP, an Accident Prevention Plan, and a Dive Safety Plan. The SAP has two major components: Part I - the Field Sampling Plan (FSP) and Part II - the Quality Assurance Project Plan (QAPP). The FSP presents the detailed scope of work associated with field activities (e.g., sample groups and sample locations) and specifies the procedures to be used for sampling and other field operations. The QAPP describes the analytical data quality objectives, laboratory analytical procedures, quality assurance and quality control (QA/QC) procedures, and data quality evaluation criteria.

The purpose of the SAP is to establish procedures that will produce high quality data that meet the project objectives and requirements and accurately characterize measurement parameters. This SAP provides the protocols for collecting samples, measuring and controlling data, and documenting field and laboratory data.